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CASE HC/1-22926/A/PCT

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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4/12/06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

Group Art Unit: 1645

VICTOR PAUL ELIU ET AL

Examiner:

INTERNATIONAL APPLICATION NO. PCT/EP 04/051481

FILED: JULY 14, 2004

FOR: CATIONIC DIRECT DYES

U.S. APPLICATION NO: 10/565,137

35 USC 371 DATE: JANUARY 19, 2006

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR 1.56, Applicants wish to call the Examiner's attention to the references cited on the attached forms PTO-1449. A copy of the International Search Report was supplied when this application entered the U.S. national phase, however, a copy of the British Search Report is attached herewith.

The International Search Report indicates that U.S. 5,708,151 is a substantively cumulative English language counterpart of EP 1 219 683.

There are three German references and one article cited that have no U.S. equivalents as well as no abstracts available, we enclose herewith short summaries of each for the Examiner's convenience:

(DE 11 37 816)

discloses a method for the preparation of azo compounds of

formula
$$A - N = N - C$$

$$N - C - B_1$$

$$N - C - B_2$$

wherein n is 1 or 2, A, if n = 1, A is the monovalent and if n = 2, A is the bivalent radical of an aromatic diazotizable amine or a tetradizotizable amine, and B_1 and B_2 are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring,

which method comprises treating azo compounds which have no sulfonic acid group

and correspond to the formula
$$\begin{array}{c} H \\ N-C-B_1 \end{array}$$

$$\begin{array}{c} Y-Ar-N=N-C \\ N-C-B_2 \end{array}$$

wherein B₁ and B₂ have the above defined meaning, Ar is an optionally substituted o- or p-aryl radical of benzene or naphthalene, and Y is a substituent which may be separated, with alkylating agents and reacting the obtained color-salts with primary or secondary aliphatic, araliphatic or, preferably non-aromatic heterocyclic amines preferably in the presence of oxidizing agents.

(DE 10 98 642)

discloses a method for the preparation of cationic dyes which are N,N'-alkylated in the imidazole radical, which comprises reacting compounds of

formula
$$A + N = N - C$$

$$N - C - E_2$$

$$N - C - E_2$$

which have no sulfonic acid groups, wherein n is 1 or 2, if n = 1 a is the monovalent and if n = 2 the bivalent radical of an aromatic diazotizable amine or a tetradizotizable amine, and B_1 and B_2 are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring, with alkylating agents.

Chimia, 1961, 15(1), p. 163-168

discloses new methods for the preparation of diaza styryl dyes.

Disclosed are also diaza compounds of formulae X (p. 164) and XVII (Table 1 on p. 165).

(DE 1 137 815)

discloses a method for the preparation of cationic dyes of

formula
$$A = N = N - C$$

$$N = C - E_2$$

wherein n is 1 or 2, A, if n = 1 is the monovalent and if n = 2 A is the bivalent radical of an aromatic diazotizable amine or a tetradizotizable amine, and B_1 and B_2 are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring, which comprises treating an azo compound of

formula
$$\begin{array}{c|c} Y-Ar-N=N-C & \\ N-C-B_1 \\ N-C-B_2 \end{array}$$

which have no sulfonic acid groups, and wherein B_1 and B_2 have the above defined meaning, Ar is an optionally substituted o- or p-aryl radical of benzene or naphthalene, and Y is a substituent which may be separated,

with alkylating agents und reacting the obtained color-salts with primary or secondary amines or N-substituted acid amines.

Copies of the non-U.S. references (that do not have U.S. equivalents) and/or English language abstracts thereof are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

- 3 -

Ciba Specialty Chemicals Corporation Patent Department 540 White Plains Road P.O. Box 2005 Tarrytown, NY 10591-9005 (914) 785-7127 TAS/lq

Encls.: GB Search Report, PTO 1449 Forms and 9 Refs.

JUL 1 3 2008

10/565.137

Respectfully submitted,

Tyler A. Stevenson

Reg. No. 46,388

Agent for Applicants

HC/1-22926/A/PCT

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English language abstract for EP 1 166 752 printed from esp@cenet.com on 7/13/06.										
	Von H. Baumann et al., Chimia Vol. 15, pgs. 163-168 (1/1961).									
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